

Release notes for ENDF/B Development n-054_Xe_132
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=5449, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=5449, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 122 TO 186
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=5449, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=5449, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 122
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5449, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 188
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 292
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 323
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 354
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 382
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 396

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 404

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 415

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 426

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 454

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 480

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 506

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 55
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 531

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 56 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 56 | RECORD NUMBER | 556 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 57 | RECORD NUMBER | 580 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 58 | RECORD NUMBER | 604 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 59 | RECORD NUMBER | 628 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 60 | RECORD NUMBER | 651 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 61 | RECORD NUMBER | 674 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 62 | RECORD NUMBER | 697 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 63 | RECORD NUMBER | 719 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 64 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 64 | | |
| | SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER | 741 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 65 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 65 | | |
| | SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER | 763 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 66 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 66 | | |
| | SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER | 784 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 67 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 67 | | |
| | SECTION 3/ 67 NOT IN DIRECTORY | RECORD NUMBER | 805 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT= 91 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT= 91 | | |
| | SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER | 826 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT=102 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 847 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 878 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT=104 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT=104 | | |
| | SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 895 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT=105 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT=105 | | |
| | SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER | 907 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 3, MT=107 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 3, MT=107 | | |
| | SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER | 917 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 2 (0): Directory (b)
- | | | | |
|--|--|---------------|-----|
| | ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 2 | | |
| | SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER | 934 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 16 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 16 | | |
| | SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER | 1280 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 17 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 17 | | |
| | SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER | 1325 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 22 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 22 | | |
| | SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER | 1348 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 28 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 28 | | |
| | SECTION 4/ 28 NOT IN DIRECTORY | RECORD NUMBER | 1381 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 51 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 51 | | |
| | SECTION 4/ 51 NOT IN DIRECTORY | RECORD NUMBER | 1414 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 52 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 52 | |
| SECTION 4/ 52 NOT IN DIRECTORY | RECORD NUMBER 1656 |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 53 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 53 | |
| SECTION 4/ 53 NOT IN DIRECTORY | RECORD NUMBER 1880 |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 54 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 54 | |
| SECTION 4/ 54 NOT IN DIRECTORY | RECORD NUMBER 1973 |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 55 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 55 | |
| SECTION 4/ 55 NOT IN DIRECTORY | RECORD NUMBER 2190 |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 56 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 56 | |
| SECTION 4/ 56 NOT IN DIRECTORY | RECORD NUMBER 2279 |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 57 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 57 | |
| SECTION 4/ 57 NOT IN DIRECTORY | RECORD NUMBER 2486 |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 58 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 58 | |
| SECTION 4/ 58 NOT IN DIRECTORY | RECORD NUMBER 2571 |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 59 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 59 | |
| SECTION 4/ 59 NOT IN DIRECTORY | RECORD NUMBER 2654 |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 60 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 60 | RECORD NUMBER | 2735 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 61 | RECORD NUMBER | 2814 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 62 | RECORD NUMBER | 2891 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 63 | RECORD NUMBER | 2966 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 64 | RECORD NUMBER | 3039 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 65 | RECORD NUMBER | 3110 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 66 | RECORD NUMBER | 3179 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 67 | RECORD NUMBER | 3246 |
| SECTION 4/ 67 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 4, MT= 91 (0): Directory (b)

- ERROR(S) FOUND IN MAT=5449, MF= 4, MT= 91
SECTION 4/ 91 NOT IN DIRECTORY RECORD NUMBER 3311
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 5, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5449, MF= 5, MT= 16
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 3377
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 5, MT= 17 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5449, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 3577
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 5, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5449, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 3667
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 5, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5449, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 3800
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF= 5, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5449, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 3933
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF=33, MT= 2 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5449, MF=33, MT= 2
SECTION 33/ 2 NOT IN DIRECTORY RECORD NUMBER 4221
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF=33, MT= 4 (0): Directory (b)
- ERROR(S) FOUND IN MAT=5449, MF=33, MT= 4
SECTION 33/ 4 NOT IN DIRECTORY RECORD NUMBER 4311
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF=33, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF=33, MT= 16
SECTION 33/ 16 NOT IN DIRECTORY

RECORD NUMBER 4358

64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5449, MF=33, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=5449, MF=33, MT=102
SECTION 33/102 NOT IN DIRECTORY

RECORD NUMBER 4368

- groupie Errors:

1. Very small elastic cross section found
0: Small elastic

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

ENDF/B Input and Output Data Filenames

ENDFB.IN

ENDFB.OUT

... [97 more lines]

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=4000.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 0 (n + Xe132): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 0 (n + Xe132): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 1 ((z,n)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 2 (n[multiplicity:'2'] + Xe131): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 3 (Xe133 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.
Section 3 (Xe133 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 19: n[multiplicity:'2'] + Xe131 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9907600.222702026 eV vs -8.9346e6 eV!

2. Calculated and tabulated Q values disagree.
reaction label 20: n[multiplicity:'3'] + Xe130 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -16512415.34182739 eV vs -1.5554e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 21: n + H1 + I131 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10096100.45991516 eV vs -9.1239e6 eV!

4. Calculated and tabulated Q values disagree.
reaction label 22: Xe133 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 5463422.227462769 eV vs 6.4383e6 eV!

5. Calculated and tabulated Q values disagree.
reaction label 23: n + He4 + Te128 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3684318.684494019 eV vs -2.7248e6 eV!

6. Calculated and tabulated Q values disagree.
reaction label 24: H1 + I132_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3769258.999832153 eV vs -2.7946e6 eV!

7. Calculated and tabulated Q values disagree.
reaction label 25: H2 + I131_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7871534.358978271 eV vs -6.8993e6 eV!

8. Calculated and tabulated Q values disagree.
reaction label 26: H3 + I130_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10197603.37284851 eV vs -9.2732e6 eV!

9. Calculated and tabulated Q values disagree.
reaction label 27: He4 + Te129_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 2398089.422729492 eV vs 3.3605e6 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided